PCT/09

Serial Number: 09/869,566

CRF Processing Date: 3/21/2002
Edited by: AN
Verified by: AN (STIC staff)

ENTERED

#7

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically:
_____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:
_____

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
_____

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
_____

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:
_____

☐ Deleted extra, invalid, headings used by an applicant, specifically:
_____

☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as_____.

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically:
_____

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:
_____

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☐ Other:
_____
_____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

#7
Dmt
5-16-02

PCT09

RAW SEQUENCE LISTING          DATE: 03/21/2002
PATENT APPLICATION: US/09/869,566     TIME: 18:27:03

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\03212002\I869566.raw

Pb

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 3 <110> APPLICANT: Goddard, Audrey D.
 4         Pan, Guohua James
 6 <120> TITLE OF INVENTION: IL-1 Related Polypeptides
 8 <130> FILE REFERENCE: P2534-3US
10 <140> CURRENT APPLICATION NUMBER: US 09/869,566
11 <141> CURRENT FILING DATE: 2001-06-29
13 <150> PRIOR APPLICATION NUMBER: US 60/113,430
14 <151> PRIOR FILING DATE: 1998-12-23
16 <150> PRIOR APPLICATION NUMBER: US 60/116,843
17 <151> PRIOR FILING DATE: 1999-01-22
19 <150> PRIOR APPLICATION NUMBER: US 60/129,122
20 <151> PRIOR FILING DATE: 1999-04-13
22 <150> PRIOR APPLICATION NUMBER: PCT/US99/30720
23 <151> PRIOR FILING DATE: 1999-12-22
25 <160> NUMBER OF SEQ ID NOS: 32
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 1006
29 <212> TYPE: DNA
30 <213> ORGANISM: Homo sapiens
32 <400> SEQUENCE: 1
33  ggcacgaggc aagccttcca ggttatcgtg acgcaccttg aaagtctgag 50
35  agctactgcc ctacagaaag ttactagtgc cctaaagctg gcgctggcac 100
37  tgatgttact gctgctgttg gagtacaact tccctataga aaacaactgc 150
39  cagcacctta agaccactca caccttcaga gtggccttga aaagatttg 200
41  gggtcaagga tcatgagcga gaacaccact taagaggata gtgaactagt 250
43  ctgcatgtga gacgctgaga tcctatgtca ggctgtgata ggagggaaac 300
45  agaaaccaaa ggaaagaaca gctttaagaa gcgcttaaga gccacccacc 350
47  cattcttgac agtcactggc ccagcctggg ggcccctgtt ctttatcaaa 400
49  caagtgcctg agctctttgc agaggtccaa aggtgaagaa cttaaacccg 450
51  aagaaattca gcattcatga ccaggatcac aaagtactgg tcctggactc 500
53  tgggaatctc atagcagttc cagataaaaa ctacatacgc ccagagatct 550
55  tctttgcatt agcctcatcc ttgagctcag cctctgcgga gaaaggaagt 600
57  ccgattctcc tgggggtctc taaaggggag ttttgtctct actgtgacaa 650
59  ggataaagga caaagtcatc catcccttca gctgaagaag gagaaactga 700
61  tgaagctggc tgcccaaaag gaatcagcac gccggccctt catcttttat 750
63  agggctcagg tgggctcctg gaacatgctg gagtcggcgg ctcaccccgg 800
65  atggttcatc tgcacctcct gcaattgtaa tgagcctgtt ggggtgacag 850
67  ataaatttga gaacaggaaa cacattgaat tttcatttca accagtttgc 900
69  aaagctgaaa tgagccccag tgaggtcagc gattaggaaa ctgccccatt 950
71  gaacgccttc ctcgctaatt tgaactaatt gtataaaaac accaaacctg 1000
73  ctcact 1006
75 <210> SEQ ID NO: 2
76 <211> LENGTH: 26
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RAW SEQUENCE LISTING          DATE: 03/21/2002
PATENT APPLICATION:  US/09/869,566      TIME: 18:27:03

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\03212002\I869566.raw

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77 <212> TYPE: PRT
78 <213> ORGANISM: Homo sapiens
80 <400> SEQUENCE: 2
81  Met Leu Leu Leu Leu Leu Glu Tyr Asn Phe Pro Ile Glu Asn Asn
82   1               5                  10                  15
84  Cys Gln His Leu Lys Thr Thr His Thr Phe Arg
85                  20                  25
87 <210> SEQ ID NO: 3
88 <211> LENGTH: 167
89 <212> TYPE: PRT
90 <213> ORGANISM: Homo sapiens
92 <400> SEQUENCE: 3
93  Val Lys Asn Leu Asn Pro Lys Lys Phe Ser Ile His Asp Gln Asp
94   1               5                  10                  15
96  His Lys Val Leu Val Leu Asp Ser Gly Asn Leu Ile Ala Val Pro
97                  20                  25                  30
99  Asp Lys Asn Tyr Ile Arg Pro Glu Ile Phe Phe Ala Leu Ala Ser
100                 35                  40                  45
102  Ser Leu Ser Ser Ala Ser Ala Glu Lys Gly Ser Pro Ile Leu Leu
103                 50                  55                  60
105  Gly Val Ser Lys Gly Glu Phe Cys Leu Tyr Cys Asp Lys Asp Lys
106                 65                  70                  75
108  Gly Gln Ser His Pro Ser Leu Gln Leu Lys Lys Glu Lys Leu Met
109                 80                  85                  90
111  Lys Leu Ala Ala Gln Lys Glu Ser Ala Arg Arg Pro Phe Ile Phe
112                 95                  100                 105
114  Tyr Arg Ala Gln Val Gly Ser Trp Asn Met Leu Glu Ser Ala Ala
115                 110                 115                 120
117  His Pro Gly Trp Phe Ile Cys Thr Ser Cys Asn Cys Asn Glu Pro
118                 125                 130                 135
120  Val Gly Val Thr Asp Lys Phe Glu Asn Arg Lys His Ile Glu Phe
121                 140                 145                 150
123  Ser Phe Gln Pro Val Cys Lys Ala Glu Met Ser Pro Ser Glu Val
124                 155                 160                 165
126  Ser Asp
129 <210> SEQ ID NO: 4
130 <211> LENGTH: 650
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: recombinant DNA
137 <400> SEQUENCE: 4
138  taattcacca tgtctgcact tctgatccta gctcttgttg gagctgcagt 50
140  tgctgactac aaagacgatg acgacaagct tgcggccgcg aattcagctc 100
142  tttgcagagg tccaaaggtg aagaacttaa acccgaagaa attcagcatt 150
144  catgaccagg atcacaaagt actggtcctg gactctggga tctcatagc 200
146  agttccagat aaaaactaca tacgcccaga gatcttcttt gcattagcct 250
148  catccttgag ctcagcctct gcggagaaag gaagtccgat ctcctgggg 300
150  gtctctaaag gggagttttg tctctactgt gacaaggata aaggacaaag 350
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152   tcatccatcc cttcagctga agaaggagaa actgatgaag ctggctgccc 400
154   aaaaggaatc agcacgccgg cccttcatct tttatagggc tcaggtgggc 450
156   tcctggaaca tgctggagtc ggcggctcac cccggatggt tcatctgcac 500
158   ctcctgcaat tgtaatgagc ctgttggggt gacagataaa tttgagaaca 550
160   ggaaacacat tgaattttca tttcaaccag tttgcaaagc tgaaatgagc 600
162   cccagtgagg tcagcgatta gggtaccagt cgactctaga ggatcccggg 650
164 <210> SEQ ID NO: 5
165 <211> LENGTH: 203
166 <212> TYPE: PRT
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: recombinant protein
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174    1               5                  10                  15
176   Asp Tyr Lys Asp Asp Asp Asp Lys Leu Ala Ala Ala Asn Ser Ala
177                   20                  25                  30
179   Leu Cys Arg Gly Pro Lys Val Lys Asn Leu Asn Pro Lys Lys Phe
180                   35                  40                  45
182   Ser Ile His Asp Gln Asp His Lys Val Leu Val Leu Asp Ser Gly
183                   50                  55                  60
185   Asn Leu Ile Ala Val Pro Asp Lys Asn Tyr Ile Arg Pro Glu Ile
186                   65                  70                  75
188   Phe Phe Ala Leu Ala Ser Ser Leu Ser Ser Ala Ser Ala Glu Lys
189                   80                  85                  90
191   Gly Ser Pro Ile Leu Leu Gly Val Ser Lys Gly Glu Phe Cys Leu
192                   95                 100                 105
194   Tyr Cys Asp Lys Asp Lys Gly Gln Ser His Pro Ser Leu Gln Leu
195                  110                 115                 120
197   Lys Lys Glu Lys Leu Met Lys Leu Ala Ala Gln Lys Glu Ser Ala
198                  125                 130                 135
200   Arg Arg Pro Phe Ile Phe Tyr Arg Ala Gln Val Gly Ser Trp Asn
201                  140                 145                 150
203   Met Leu Glu Ser Ala Ala His Pro Gly Trp Phe Ile Cys Thr Ser
204                  155                 160                 165
206   Cys Asn Cys Asn Glu Pro Val Gly Val Thr Asp Lys Phe Glu Asn
207                  170                 175                 180
209   Arg Lys His Ile Glu Phe Ser Phe Gln Pro Val Cys Lys Ala Glu
210                  185                 190                 195
212   Met Ser Pro Ser Glu Val Ser Asp
213                  200
215 <210> SEQ ID NO: 6
216 <211> LENGTH: 754
217 <212> TYPE: DNA
218 <213> ORGANISM: Homo sapiens
220 <400> SEQUENCE: 6
221   ggcacgaggc aagccttcca ggttatcgtg acgcaccttg aaagtctgag 50
223   agctactgcc ctacagaaag ttactagtgc cctaaagctg gcgctggcac 100
225   tgatgttact gctgctgttg gagtacaact ccctatagaa aacaactgc 150
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227  cagcacctta agaccactca caccttcaga gtgaagaact taaacccgaa 200
229  gaaattcagc attcatgacc aggatcacaa agtactggtc ctggactctg 250
231  ggaatctcat agcagttcca gataaaaact acatacgccc agagatcttc 300
233  tttgcattag cctcatcctt gagctcagcc tctgcggaga aaggaagtcc 350
235  gattctcctg ggggtctcta aaggggagtt ttgtctctac tgtgacaagg 400
237  ataaaggaca aagtcatcca tcccttcagc tgaagaagga gaaactgatg 450
239  aagctggctg cccaaaagga atcagcacgc cggcccttca tcttttatag 500
241  ggctcaggtg ggctcctgga acatgctgga gtcggcggct cacccggat 550
243  ggttcatctg cacctcctgc aattgtaatg agcctgttgg ggtgacagat 600
245  aaatttgaga acaggaaaca cattgaattt tcatttcaac cagtttgcaa 650
247  agctgaaatg agccccagtg aggtcagcga ttaggaaact gccccattga 700
249  acgccttcct cgctaatttg aactaattgt ataaaaacac caaacctgct 750
251  cact 754
253  <210> SEQ ID NO: 7
254  <211> LENGTH: 193
255  <212> TYPE: PRT
256  <213> ORGANISM: Homo sapiens
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259  Met Leu Leu Leu Leu Leu Glu Tyr Asn Phe Pro Ile Glu Asn Asn
260   1               5                  10                  15
262  Cys Gln His Leu Lys Thr Thr His Thr Phe Arg Val Lys Asn Leu
263                  20                  25                  30
265  Asn Pro Lys Lys Phe Ser Ile His Asp Gln Asp His Lys Val Leu
266                  35                  40                  45
268  Val Leu Asp Ser Gly Asn Leu Ile Ala Val Pro Asp Lys Asn Tyr
269                  50                  55                  60
271  Ile Arg Pro Glu Ile Phe Phe Ala Leu Ala Ser Ser Leu Ser Ser
272                  65                  70                  75
274  Ala Ser Ala Glu Lys Gly Ser Pro Ile Leu Leu Gly Val Ser Lys
275                  80                  85                  90
277  Gly Glu Phe Cys Leu Tyr Cys Asp Lys Asp Lys Gly Gln Ser His
278                  95                  100                 105
280  Pro Ser Leu Gln Leu Lys Lys Glu Lys Leu Met Lys Leu Ala Ala
281                  110                 115                 120
283  Gln Lys Glu Ser Ala Arg Arg Pro Phe Ile Phe Tyr Arg Ala Gln
284                  125                 130                 135
286  Val Gly Ser Trp Asn Met Leu Glu Ser Ala Ala His Pro Gly Trp
287                  140                 145                 150
289  Phe Ile Cys Thr Ser Cys Asn Cys Asn Glu Pro Val Gly Val Thr
290                  155                 160                 165
292  Asp Lys Phe Glu Asn Arg Lys His Ile Glu Phe Ser Phe Gln Pro
293                  170                 175                 180
295  Val Cys Lys Ala Glu Met Ser Pro Ser Glu Val Ser Asp
296                  185                 190
298  <210> SEQ ID NO: 8
299  <211> LENGTH: 629
300  <212> TYPE: DNA
301  <213> ORGANISM: Homo sapiens
303  <220> FEATURE:
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304 <221> NAME/KEY: unsure
305 <222> LOCATION: 13
306 <223> OTHER INFORMATION: unknown base
308 <400> SEQUENCE: 8
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311 gaagagctta aacccgaaga aattcagcat tcatgaccag gatcacaaag 100
313 tactggcctg gactctggga atctcatagc agttccagat aaaaactaca 150
315 tacgcccaga gatcttcttt gcattagcct catccttgag ctcagcctct 200
317 gcggagaaag gaagtccgat tctcctgggg gtctctaaag gggagttttg 250
319 tctctactgt gacaaggata aaggacaaag tcatccatcc cttcagctga 300
321 agaaggagaa actgatgaag ctggctgccc aaaaggaatc agcacgccgg 350
323 cccttcatct tttatagggc tcaggtgggc tcctggaaca tgctggagtc 400
325 ggcggctcac cccggatggt tcatctgcac ctcctgcaat tgtaatgagc 450
327 ctgttggggt gacagataaa tttgagaaca ggaaacacat tgaattttca 500
329 tttcaaccag tttgcaaagc tgaaatgagc cccagtgagg tcagcgatta 550
331 ggaaactgcc ccattgaacg ccttcctcgc taatttgaac taattgtata 600
333 aaaaccccaa acctgctcac taaaaaaaa 629

335 <210> SEQ ID NO: 9
336 <211> LENGTH: 1321
337 <212> TYPE: DNA
338 <213> ORGANISM: Homo sapiens
340 <400> SEQUENCE: 9
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343 tgtagataaa gaccctttct tgccaggtgc tgagacaacc acactatgag 100
345 aggcactcca ggagacgctg atggtggagg aagggccgtc tatcaatcaa 150
347 tcactgttgc tgttatcaca tgcaagtatc cagaggctct tgagcaaggc 200
349 agagggatc ccatttattt gggaatccag aatccagaaa tgtgtttgta 250
351 ttgtgagaag gttggagaac agcccacatt gcagctaaaa gagcagaaga 300
353 tcatggatct gtatggccaa cccgagcccg tgaaaccctt ccttttctac 350
355 cgtgccaaga ctggtaggac ctccacccct gagtctgtgg ccttcccgga 400
357 ctggttcatt gcctcctcca agagagacca gcccatcatt ctgacttcag 450
359 aacttgggaa gtcatacaac actgcctttg aattaaatat aaatgactga 500
361 actcagccta gaggtggcag cttggtcttt gtcttaaagt ttctggttcc 550
363 caatgtgttt tcgtctacat tttcttagtg tcattttcac gctggtgctg 600
365 agacaggagc aaggctgctg ttatcatctc attttataat gaagaagaag 650
367 caattacttc atagcaactg aagaacagga tgtggcctca gaagcaggag 700
369 agctgggtgg tataaggctg tcctctcaag ctggtgctgt gtaggccaca 750
371 aggcatctgc atgagtgact ttaagactca aagaccaaac actgagcttt 800
373 cttctagggg tgggtatgaa gatgcttcag agctcatgcg cgttacccac 850
375 gatggcatga ctagcacaga gctgatctct gtttctgttt tgctttattc 900
377 cctcttggga tgatatcatc cagtctttat atgttgccaa tatacctcat 950
379 tgtgtgtaat agaaccttct tagcattaag accttgtaaa caaaaataat 1000
381 tcttgggggtg ggtatgaaga tgcttcagag ctcatgcgcg ttacccacga 1050
383 tggcatgact agcacagagc tgatctctgt ttctgttttg ctttattccc 1100
385 tcttgggatg atatcatcca gtctttatat gttgccaata tacctcattg 1150
387 tgtgtaatag aaccttctta gcattaagac cttgtaaaca aaataattc 1200
389 ttgtgttaag ttaaatcatt tttgtcctaa ttgtaatgtg taatcttaaa 1250
391 gttaaataaa ctttgtgtat ttatataata ataaagctaa aactgatata 1300
393 aaataaagaa agagtaaact g 1321
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RAW SEQUENCE LISTING ERROR SUMMARY     DATE: 03/21/2002
PATENT APPLICATION:  US/09/869,566     TIME: 18:27:04

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\03212002\I869566.raw**

**Please Note:**
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8; N Pos. 13
Seq#:14; N Pos. 283